

YU HAN (HARRY)

ezoihy@163.com | ezoihy.github.io | github.com/ezoihy
Guangzhou, China

EDUCATION

South China University of Technology Guangzhou, China
Bachelor's Degree in Robotics Engineering 2023–2027 (expected)

RESEARCH INTERESTS

Dexterous manipulation · Multimodal sensing · Force-aware robot learning
Human sensing · Embodied intelligence

RESEARCH EXPERIENCE

The Hong Kong University of Science and Technology (Guangzhou) 2026–present
Research Assistant, PAIRS Lab

Supervisor: Prof. Fangqiang Ding

South China University of Technology 2024–2026
Undergraduate Research, Intelligent Structures Laboratory

Supervisor: Prof. Yunquan Li

Huawei Technologies Co., Ltd. Jul.–Sep. 2026
Large Language Model Architecture Intern

Digital Twin Laboratory, GTS Department, ICT BG

SELECTED RESEARCH & ENGINEERING PROJECTS

Pulley-free Underactuated Prosthetic Hand 2024–2025

- Designed a 304 g, single-actuator prosthetic hand for adaptive grasping; demonstrated operation in wet and underwater conditions.

Monocular Motion Retargeting for Robotic Hand Control 2026

- Developed a monocular RGB system for retargeting human hand motion to a robotic hand in simulation.

Vision-guided Biomimetic Robotic Fish 2025–present

- Contributed visual recognition, diver tracking, and system design to a national-level undergraduate innovation project on underwater human–robot collaboration.

Natural-language Control of a Quadruped Robot 2025

- Integrated locally deployed language models with a Unitree Go1 to translate natural-language instructions into robot motion.

HONORS & AWARDS

- **Provincial First Prize, China Undergraduate Mathematical Contest in Modeling** 2025
- **National Second Prize, China Undergraduate Mathematical Contest in Modeling** 2024
- **National First Prize, Asia and Pacific Mathematical Contest in Modeling** 2024
- **Runner-up, H&T Cup Robotics Challenge; Team Captain** 2024
- **Yujian Xiaomian Innovation Scholarship, SCUT** 2024
- **Provincial First Prize, Informatics Competitions**